

Synthesized Intelligent PIR

SIP-3020/5 SIP-4010/5 SIP-404/5



The SIP-3020/5, SIP-4010/5 and SIP-404/5 are designed for detection applications outdoors to trigger video transmission systems and PTZ camera control.

These detectors have an intelligent detection system that uses data from the ambient environment, such as temperature and illuminance conditions, to automatically adjust the sensitivity. They are also equipped with anti-rotation and anti-masking functions, which can detect vandalism or tampering with the unit.

Units in this series have an additional PIR detector on the bottom to cover the area just below the unit. The PIR detector on the bottom has independent output separate from the main detection.

For video surveillance applications, the detection area should be within the camera's field of view in order to ensure that an intruder who triggers the alarm is seen. The detection angle in the main area of the SIP-3020/5, SIP-4010/5 and SIP-404/5 can be adjusted to easily match the camera field of view. And, the creep zone detector can be used for detection below and around the unit.

FEATURES

Intelligent PIR Detection System

- Patented Double Conductive Shielding for visible light disturbance protection
- Detection of ambient temperature and illuminance for automatic sensitivity management
- Advanced detection algorithm
- Anti-rotating function with 3-axis accelerometer
- Anti-masking function with photo-beam
- Sensitivity selector for creep / near / far areas independently
- Detection logic selector
- Detection range selector
- Independent N.C. and N.O. outputs
- Adjustable alarm interval time
- Reinforced polycarbonate housing
- Built-in creep zone detector (Double dual pyro-elements)

OPTIONS

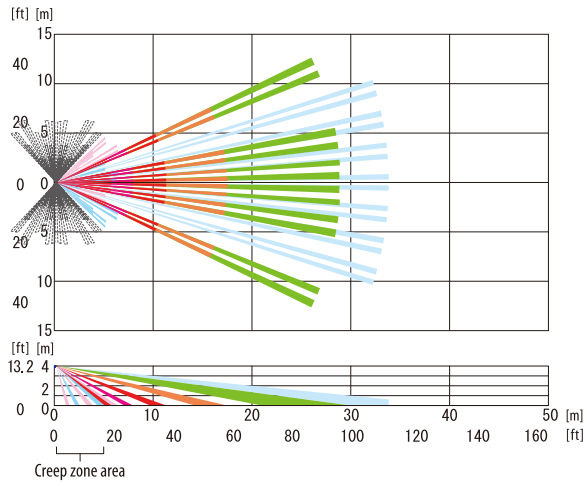
AVF-1 Area View Finder
 SIP-HU Heating Unit
 OPM-WT Audio Walk Tester
 SIP-MINI HOOD Sun/Snow shield

SPECIFICATIONS

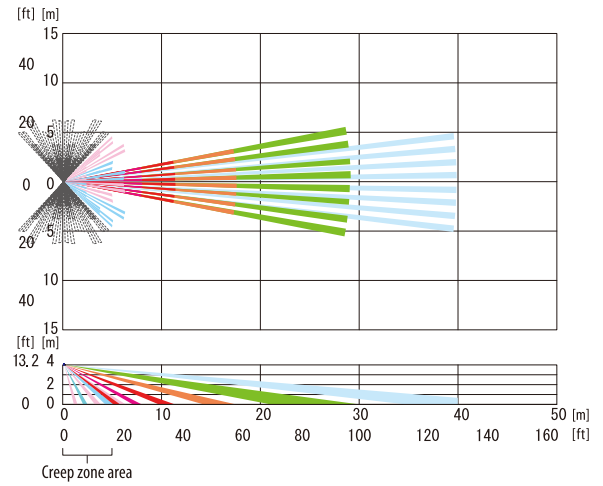
| Model | SIP-3020/5 | SIP-4010/5 | SIP-404/5 |
|---------------------------|---|--------------------------|-------------------------|
| Detection method | Passive infrared | | |
| Coverage (main area) | 30 x 20 m (100 x 65 ft.) | 40 x 10 m (130 x 33 ft.) | 40 x 4 m (130 x 13 ft.) |
| Coverage (creep zone) | 5 x 5m (16 x 16 ft.) Detection angle adjustable | | |
| Power input | 11-16 VDC 22-26 VAC | | |
| Current draw | 40mA max. (12VDC) 75mA max. (24 VAC) | | |
| Mounting height | 2.3 to 4 m (7.6 to 13 ft.) | | |
| Sensitivity selector | Far: SH/H/M/L Near: SH/H/M/L Creep zone: SH/H/M/L | | |
| Range selector | Far area: On/Off | | |
| Alarm output (main area) | N.O., N.C. 28VDC 0.2A max. | | |
| Alarm output (creep zone) | N.O., N.C. 28VDC 0.2A max. | | |
| Alarm interval period | Off/15, 30, 60 sec. | | |
| Trouble output | N.C., 28 VDC 0.2 A max. | | |
| Tamper output | N.C., 28 VDC 0.1 A max. | | |
| Alarm period | Approx. 2 sec. | | |
| Warm-up period | Approx. 60 sec. | | |
| Operating temperature | -25 to +60 °C, -40 to +60 °C with optional heating unit (-13 to +140°F, -40 to +140°F with optional heating unit) | | |
| IP rating | Main unit: IP65 Chassis: IP55 | | |
| Dimensions (H x W x D) | 248 x 102 x 266mm (9.8 x 4.0 x 10.5 in.) | | |
| Weight | 1.4kg (48 oz) | | |

* Specifications and design are subject to change without prior notice.

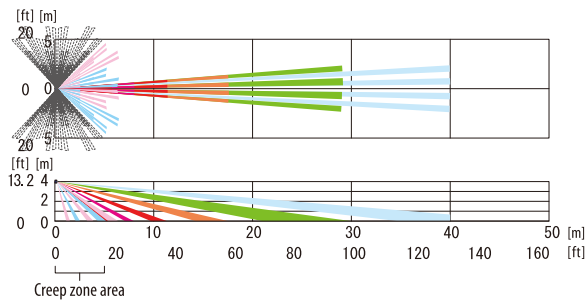
SIP-3020/5



SIP-4010/5



SIP-404/5



The detection angle of the creep zone can be adjusted $\pm 135^\circ$ horizontally as shown in gray.

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